Release notes for ENDF/B Development n-066_Dy_158 evaluation

April 26, 2017

- **checkr** Warnings:

    1. A previous error halted parsing of the current section
       MAT=6631, MF= 1, MT=451 (1): Parsing stopped

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 1, MT=451
           SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      222 TO     514
       ```

- **checkr** Errors:

    1. A variable is outside the allowed ENDF range
       MAT=6631, MF= 1, MT=451 (0): Variable range

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 1, MT=451
           MOD =    1 OUT OF RANGE    0 -    0           RECORD NUMBER     222
       ```

    2. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6631, MF= 2, MT=151 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 2, MT=151
           SECTION  2/151 NOT IN DIRECTORY              RECORD NUMBER     516
       ```

    3. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6631, MF= 3, MT= 1 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=  1
           SECTION  3/  1 NOT IN DIRECTORY              RECORD NUMBER     717
       ```

    4. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6631, MF= 3, MT= 2 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=  2
           SECTION  3/  2 NOT IN DIRECTORY              RECORD NUMBER     733
       ```

    5. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6631, MF= 3, MT= 4 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=  4
           SECTION  3/  4 NOT IN DIRECTORY              RECORD NUMBER     773
       ```

    6. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6631, MF= 3, MT= 16 (0): Directory (b)

       ```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 16
           SECTION  3/ 16 NOT IN DIRECTORY              RECORD NUMBER     800
       ```

    7. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6631, MF= 3, MT= 17 (0): Directory (b)

1

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 17
            SECTION  3/ 17 NOT IN DIRECTORY                    RECORD NUMBER      809
```

8. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 3, MT= 22 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 22
            SECTION  3/ 22 NOT IN DIRECTORY                    RECORD NUMBER      815
```

9. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 3, MT= 24 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 24
            SECTION  3/ 24 NOT IN DIRECTORY                    RECORD NUMBER      825
```

10. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 28 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 28
            SECTION  3/ 28 NOT IN DIRECTORY                    RECORD NUMBER      832
```

11. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 41 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 41
            SECTION  3/ 41 NOT IN DIRECTORY                    RECORD NUMBER      841
```

12. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 51 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 51
            SECTION  3/ 51 NOT IN DIRECTORY                    RECORD NUMBER      847
```

13. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 52 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 52
            SECTION  3/ 52 NOT IN DIRECTORY                    RECORD NUMBER      865
```

14. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 53 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 53
            SECTION  3/ 53 NOT IN DIRECTORY                    RECORD NUMBER      882
```

15. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 54 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 54
         SECTION  3/ 54 NOT IN DIRECTORY              RECORD NUMBER    898
```

16. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 55 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 55
         SECTION  3/ 55 NOT IN DIRECTORY              RECORD NUMBER    913
```

17. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 56 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 56
         SECTION  3/ 56 NOT IN DIRECTORY              RECORD NUMBER    928
```

18. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 57 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 57
         SECTION  3/ 57 NOT IN DIRECTORY              RECORD NUMBER    943
```

19. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 58 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 58
         SECTION  3/ 58 NOT IN DIRECTORY              RECORD NUMBER    958
```

20. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 59 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 59
         SECTION  3/ 59 NOT IN DIRECTORY              RECORD NUMBER    972
```

21. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 60 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 60
         SECTION  3/ 60 NOT IN DIRECTORY              RECORD NUMBER    987
```

22. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 61 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 61
         SECTION  3/ 61 NOT IN DIRECTORY              RECORD NUMBER   1001
```

23. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 62 (0): Directory (b)

3

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 62
          SECTION  3/ 62 NOT IN DIRECTORY                    RECORD NUMBER     1015
```

24. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 63 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 63
          SECTION  3/ 63 NOT IN DIRECTORY                    RECORD NUMBER     1029
```

25. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 64 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 64
          SECTION  3/ 64 NOT IN DIRECTORY                    RECORD NUMBER     1043
```

26. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 65 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 65
          SECTION  3/ 65 NOT IN DIRECTORY                    RECORD NUMBER     1055
```

27. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 66 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 66
          SECTION  3/ 66 NOT IN DIRECTORY                    RECORD NUMBER     1069
```

28. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 67 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 67
          SECTION  3/ 67 NOT IN DIRECTORY                    RECORD NUMBER     1082
```

29. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 68 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 68
          SECTION  3/ 68 NOT IN DIRECTORY                    RECORD NUMBER     1094
```

30. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 69 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 69
          SECTION  3/ 69 NOT IN DIRECTORY                    RECORD NUMBER     1108
```

31. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 70 (0): Directory (b)

4

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 70
         SECTION  3/ 70 NOT IN DIRECTORY                 RECORD NUMBER    1121
```

32. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 71 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 71
         SECTION  3/ 71 NOT IN DIRECTORY                 RECORD NUMBER    1134
```

33. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 72 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 72
         SECTION  3/ 72 NOT IN DIRECTORY                 RECORD NUMBER    1147
```

34. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 73 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 73
         SECTION  3/ 73 NOT IN DIRECTORY                 RECORD NUMBER    1159
```

35. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT= 91 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT= 91
         SECTION  3/ 91 NOT IN DIRECTORY                 RECORD NUMBER    1172
```

36. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=102 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=102
         SECTION  3/102 NOT IN DIRECTORY                 RECORD NUMBER    1189
```

37. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=103 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=103
         SECTION  3/103 NOT IN DIRECTORY                 RECORD NUMBER    1208
```

38. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=107 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=107
         SECTION  3/107 NOT IN DIRECTORY                 RECORD NUMBER    1228
```

39. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=600 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=600
         SECTION  3/600 NOT IN DIRECTORY                    RECORD NUMBER    1250
```

40. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=601 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=601
         SECTION  3/601 NOT IN DIRECTORY                    RECORD NUMBER    1262
```

41. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=602 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=602
         SECTION  3/602 NOT IN DIRECTORY                    RECORD NUMBER    1274
```

42. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=603 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=603
         SECTION  3/603 NOT IN DIRECTORY                    RECORD NUMBER    1286
```

43. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=604 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=604
         SECTION  3/604 NOT IN DIRECTORY                    RECORD NUMBER    1298
```

44. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=605 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=605
         SECTION  3/605 NOT IN DIRECTORY                    RECORD NUMBER    1310
```

45. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=606 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=606
         SECTION  3/606 NOT IN DIRECTORY                    RECORD NUMBER    1322
```

46. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=607 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=607
         SECTION  3/607 NOT IN DIRECTORY                    RECORD NUMBER    1334
```

47. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=608 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=608
           SECTION  3/608 NOT IN DIRECTORY                    RECORD NUMBER     1346
```

48. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=609 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=609
           SECTION  3/609 NOT IN DIRECTORY                    RECORD NUMBER     1358
```

49. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=610 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=610
           SECTION  3/610 NOT IN DIRECTORY                    RECORD NUMBER     1370
```

50. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=611 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=611
           SECTION  3/611 NOT IN DIRECTORY                    RECORD NUMBER     1382
```

51. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=612 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=612
           SECTION  3/612 NOT IN DIRECTORY                    RECORD NUMBER     1394
```

52. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=613 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=613
           SECTION  3/613 NOT IN DIRECTORY                    RECORD NUMBER     1406
```

53. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=614 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=614
           SECTION  3/614 NOT IN DIRECTORY                    RECORD NUMBER     1418
```

54. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=615 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 3, MT=615
           SECTION  3/615 NOT IN DIRECTORY                    RECORD NUMBER     1430
```

55. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=616 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=616
          SECTION  3/616 NOT IN DIRECTORY                    RECORD NUMBER    1442
```

56. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=617 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=617
          SECTION  3/617 NOT IN DIRECTORY                    RECORD NUMBER    1454
```

57. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=618 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=618
          SECTION  3/618 NOT IN DIRECTORY                    RECORD NUMBER    1466
```

58. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=619 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=619
          SECTION  3/619 NOT IN DIRECTORY                    RECORD NUMBER    1478
```

59. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=620 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=620
          SECTION  3/620 NOT IN DIRECTORY                    RECORD NUMBER    1490
```

60. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=621 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=621
          SECTION  3/621 NOT IN DIRECTORY                    RECORD NUMBER    1502
```

61. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=622 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=622
          SECTION  3/622 NOT IN DIRECTORY                    RECORD NUMBER    1514
```

62. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=623 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 3, MT=623
          SECTION  3/623 NOT IN DIRECTORY                    RECORD NUMBER    1526
```

63. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=649 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=649
         SECTION  3/649 NOT IN DIRECTORY                    RECORD NUMBER    1538
```

64. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=800 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=800
         SECTION  3/800 NOT IN DIRECTORY                    RECORD NUMBER    1550
```

65. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=801 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=801
         SECTION  3/801 NOT IN DIRECTORY                    RECORD NUMBER    1571
```

66. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=802 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=802
         SECTION  3/802 NOT IN DIRECTORY                    RECORD NUMBER    1593
```

67. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=803 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=803
         SECTION  3/803 NOT IN DIRECTORY                    RECORD NUMBER    1614
```

68. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=804 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=804
         SECTION  3/804 NOT IN DIRECTORY                    RECORD NUMBER    1635
```

69. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=805 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=805
         SECTION  3/805 NOT IN DIRECTORY                    RECORD NUMBER    1657
```

70. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=806 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 3, MT=806
         SECTION  3/806 NOT IN DIRECTORY                    RECORD NUMBER    1679
```

71. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=807 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=807
   SECTION  3/807 NOT IN DIRECTORY                 RECORD NUMBER    1698
```

72. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=808 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=808
   SECTION  3/808 NOT IN DIRECTORY                 RECORD NUMBER    1720
```

73. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=809 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=809
   SECTION  3/809 NOT IN DIRECTORY                 RECORD NUMBER    1739
```

74. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=810 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=810
   SECTION  3/810 NOT IN DIRECTORY                 RECORD NUMBER    1758
```

75. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=811 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=811
   SECTION  3/811 NOT IN DIRECTORY                 RECORD NUMBER    1778
```

76. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=812 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=812
   SECTION  3/812 NOT IN DIRECTORY                 RECORD NUMBER    1799
```

77. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=813 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=813
   SECTION  3/813 NOT IN DIRECTORY                 RECORD NUMBER    1820
```

78. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=814 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF= 3, MT=814
   SECTION  3/814 NOT IN DIRECTORY                 RECORD NUMBER    1838
```

79. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=815 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 3, MT=815
      SECTION  3/815 NOT IN DIRECTORY                    RECORD NUMBER    1859
```

80. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=816 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 3, MT=816
      SECTION  3/816 NOT IN DIRECTORY                    RECORD NUMBER    1880
```

81. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=817 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 3, MT=817
      SECTION  3/817 NOT IN DIRECTORY                    RECORD NUMBER    1901
```

82. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=818 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 3, MT=818
      SECTION  3/818 NOT IN DIRECTORY                    RECORD NUMBER    1922
```

83. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=819 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 3, MT=819
      SECTION  3/819 NOT IN DIRECTORY                    RECORD NUMBER    1943
```

84. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 3, MT=849 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 3, MT=849
      SECTION  3/849 NOT IN DIRECTORY                    RECORD NUMBER    1962
```

85. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 2 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 4, MT=  2
      SECTION  4/  2 NOT IN DIRECTORY                    RECORD NUMBER    1985
```

86. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 51 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 51
      SECTION  4/ 51 NOT IN DIRECTORY                    RECORD NUMBER    2128
```

87. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 52 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 52
          SECTION  4/ 52 NOT IN DIRECTORY                    RECORD NUMBER    2260
```

88. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 53 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 53
          SECTION  4/ 53 NOT IN DIRECTORY                    RECORD NUMBER    2373
```

89. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 54 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 54
          SECTION  4/ 54 NOT IN DIRECTORY                    RECORD NUMBER    2474
```

90. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 55 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 55
          SECTION  4/ 55 NOT IN DIRECTORY                    RECORD NUMBER    2577
```

91. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 56 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 56
          SECTION  4/ 56 NOT IN DIRECTORY                    RECORD NUMBER    2682
```

92. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 57 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 57
          SECTION  4/ 57 NOT IN DIRECTORY                    RECORD NUMBER    2773
```

93. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 58 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 58
          SECTION  4/ 58 NOT IN DIRECTORY                    RECORD NUMBER    2859
```

94. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 59 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 59
          SECTION  4/ 59 NOT IN DIRECTORY                    RECORD NUMBER    2960
```

95. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 60 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 60
          SECTION  4/ 60 NOT IN DIRECTORY                  RECORD NUMBER   3027
```

96. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 61 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 61
          SECTION  4/ 61 NOT IN DIRECTORY                  RECORD NUMBER   3092
```

97. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 62 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 62
          SECTION  4/ 62 NOT IN DIRECTORY                  RECORD NUMBER   3157
```

98. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 63 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 63
          SECTION  4/ 63 NOT IN DIRECTORY                  RECORD NUMBER   3220
```

99. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 64 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 64
          SECTION  4/ 64 NOT IN DIRECTORY                  RECORD NUMBER   3283
```

100. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 65 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 65
          SECTION  4/ 65 NOT IN DIRECTORY                  RECORD NUMBER   3379
```

101. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 66 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 66
          SECTION  4/ 66 NOT IN DIRECTORY                  RECORD NUMBER   3440
```

102. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 67 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 67
          SECTION  4/ 67 NOT IN DIRECTORY                  RECORD NUMBER   3536
```

103. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT= 68 (0): Directory (b)

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```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 68
           SECTION  4/ 68 NOT IN DIRECTORY                 RECORD NUMBER    3619
```

104. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT= 69 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 69
           SECTION  4/ 69 NOT IN DIRECTORY                 RECORD NUMBER    3680
```

105. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT= 70 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 70
           SECTION  4/ 70 NOT IN DIRECTORY                 RECORD NUMBER    3739
```

106. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT= 71 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 71
           SECTION  4/ 71 NOT IN DIRECTORY                 RECORD NUMBER    3798
```

107. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT= 72 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 72
           SECTION  4/ 72 NOT IN DIRECTORY                 RECORD NUMBER    3857
```

108. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT= 73 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT= 73
           SECTION  4/ 73 NOT IN DIRECTORY                 RECORD NUMBER    3921
```

109. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=600 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=600
           SECTION  4/600 NOT IN DIRECTORY                 RECORD NUMBER    3980
```

110. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=601 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=601
           SECTION  4/601 NOT IN DIRECTORY                 RECORD NUMBER    4031
```

111. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=602 (0): Directory (b)

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```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=602
           SECTION  4/602 NOT IN DIRECTORY                    RECORD NUMBER    4082
```

112. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=603 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=603
           SECTION  4/603 NOT IN DIRECTORY                    RECORD NUMBER    4133
```

113. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=604 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=604
           SECTION  4/604 NOT IN DIRECTORY                    RECORD NUMBER    4184
```

114. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=605 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=605
           SECTION  4/605 NOT IN DIRECTORY                    RECORD NUMBER    4235
```

115. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=606 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=606
           SECTION  4/606 NOT IN DIRECTORY                    RECORD NUMBER    4286
```

116. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=607 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=607
           SECTION  4/607 NOT IN DIRECTORY                    RECORD NUMBER    4337
```

117. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=608 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=608
           SECTION  4/608 NOT IN DIRECTORY                    RECORD NUMBER    4388
```

118. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=609 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=609
           SECTION  4/609 NOT IN DIRECTORY                    RECORD NUMBER    4439
```

119. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=610 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=610
        SECTION  4/610 NOT IN DIRECTORY                RECORD NUMBER    4490
```

120. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=611 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=611
        SECTION  4/611 NOT IN DIRECTORY                RECORD NUMBER    4541
```

121. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=612 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=612
        SECTION  4/612 NOT IN DIRECTORY                RECORD NUMBER    4592
```

122. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=613 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=613
        SECTION  4/613 NOT IN DIRECTORY                RECORD NUMBER    4643
```

123. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=614 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=614
        SECTION  4/614 NOT IN DIRECTORY                RECORD NUMBER    4694
```

124. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=615 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=615
        SECTION  4/615 NOT IN DIRECTORY                RECORD NUMBER    4745
```

125. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=616 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=616
        SECTION  4/616 NOT IN DIRECTORY                RECORD NUMBER    4796
```

126. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=617 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=617
        SECTION  4/617 NOT IN DIRECTORY                RECORD NUMBER    4847
```

127. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF= 4, MT=618 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=618
          SECTION  4/618 NOT IN DIRECTORY                RECORD NUMBER    4898
```

128. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=619 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=619
          SECTION  4/619 NOT IN DIRECTORY                RECORD NUMBER    4949
```

129. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=620 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=620
          SECTION  4/620 NOT IN DIRECTORY                RECORD NUMBER    5000
```

130. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=621 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=621
          SECTION  4/621 NOT IN DIRECTORY                RECORD NUMBER    5051
```

131. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=622 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=622
          SECTION  4/622 NOT IN DIRECTORY                RECORD NUMBER    5102
```

132. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=623 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=623
          SECTION  4/623 NOT IN DIRECTORY                RECORD NUMBER    5153
```

133. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=800 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=800
          SECTION  4/800 NOT IN DIRECTORY                RECORD NUMBER    5204
```

134. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=801 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF= 4, MT=801
          SECTION  4/801 NOT IN DIRECTORY                RECORD NUMBER    5307
```

135. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=802 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=802
         SECTION  4/802 NOT IN DIRECTORY                    RECORD NUMBER    5410
```

136. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=803 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=803
         SECTION  4/803 NOT IN DIRECTORY                    RECORD NUMBER    5513
```

137. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=804 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=804
         SECTION  4/804 NOT IN DIRECTORY                    RECORD NUMBER    5616
```

138. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=805 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=805
         SECTION  4/805 NOT IN DIRECTORY                    RECORD NUMBER    5719
```

139. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=806 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=806
         SECTION  4/806 NOT IN DIRECTORY                    RECORD NUMBER    5822
```

140. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=807 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=807
         SECTION  4/807 NOT IN DIRECTORY                    RECORD NUMBER    5925
```

141. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=808 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=808
         SECTION  4/808 NOT IN DIRECTORY                    RECORD NUMBER    6028
```

142. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=809 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF= 4, MT=809
         SECTION  4/809 NOT IN DIRECTORY                    RECORD NUMBER    6131
```

143. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF= 4, MT=810 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=810
          SECTION  4/810 NOT IN DIRECTORY                 RECORD NUMBER    6234
```

144. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=811 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=811
          SECTION  4/811 NOT IN DIRECTORY                 RECORD NUMBER    6337
```

145. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=812 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=812
          SECTION  4/812 NOT IN DIRECTORY                 RECORD NUMBER    6440
```

146. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=813 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=813
          SECTION  4/813 NOT IN DIRECTORY                 RECORD NUMBER    6543
```

147. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=814 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=814
          SECTION  4/814 NOT IN DIRECTORY                 RECORD NUMBER    6646
```

148. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=815 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=815
          SECTION  4/815 NOT IN DIRECTORY                 RECORD NUMBER    6749
```

149. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=816 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=816
          SECTION  4/816 NOT IN DIRECTORY                 RECORD NUMBER    6852
```

150. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=817 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=817
          SECTION  4/817 NOT IN DIRECTORY                 RECORD NUMBER    6955
```

151. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=818 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=818
            SECTION  4/818 NOT IN DIRECTORY                RECORD NUMBER    7058
```

152. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 4, MT=819 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 4, MT=819
            SECTION  4/819 NOT IN DIRECTORY                RECORD NUMBER    7161
```

153. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 16 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 16
            SECTION  6/ 16 NOT IN DIRECTORY                RECORD NUMBER    7265
```

154. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 17 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 17
            SECTION  6/ 17 NOT IN DIRECTORY                RECORD NUMBER    8207
```

155. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 22 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 22
            SECTION  6/ 22 NOT IN DIRECTORY                RECORD NUMBER    8344
```

156. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 24 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 24
            SECTION  6/ 24 NOT IN DIRECTORY                RECORD NUMBER   10689
```

157. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 28 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 28
            SECTION  6/ 28 NOT IN DIRECTORY                RECORD NUMBER   11007
```

158. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 41 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 41
            SECTION  6/ 41 NOT IN DIRECTORY                RECORD NUMBER   12416
```

159. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT= 91 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT= 91
           SECTION  6/ 91 NOT IN DIRECTORY                RECORD NUMBER   12548
```

160. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT=102 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT=102
           SECTION  6/102 NOT IN DIRECTORY                RECORD NUMBER   16885
```

161. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT=649 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT=649
           SECTION  6/649 NOT IN DIRECTORY                RECORD NUMBER   18538
```

162. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF= 6, MT=849 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF= 6, MT=849
           SECTION  6/849 NOT IN DIRECTORY                RECORD NUMBER   19976
```

163. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 51 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 51
           SECTION 12/ 51 NOT IN DIRECTORY                RECORD NUMBER   21975
```

164. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 52 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 52
           SECTION 12/ 52 NOT IN DIRECTORY                RECORD NUMBER   21979
```

165. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 53 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 53
           SECTION 12/ 53 NOT IN DIRECTORY                RECORD NUMBER   21983
```

166. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 54 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 54
           SECTION 12/ 54 NOT IN DIRECTORY                RECORD NUMBER   21987
```

167. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 55 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 55
          SECTION 12/ 55 NOT IN DIRECTORY                    RECORD NUMBER    21991
```

168. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 56 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 56
          SECTION 12/ 56 NOT IN DIRECTORY                    RECORD NUMBER    21995
```

169. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 57 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 57
          SECTION 12/ 57 NOT IN DIRECTORY                    RECORD NUMBER    21999
```

170. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 58 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 58
          SECTION 12/ 58 NOT IN DIRECTORY                    RECORD NUMBER    22003
```

171. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 59 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 59
          SECTION 12/ 59 NOT IN DIRECTORY                    RECORD NUMBER    22008
```

172. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 60 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 60
          SECTION 12/ 60 NOT IN DIRECTORY                    RECORD NUMBER    22013
```

173. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 61 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 61
          SECTION 12/ 61 NOT IN DIRECTORY                    RECORD NUMBER    22017
```

174. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 62 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 62
          SECTION 12/ 62 NOT IN DIRECTORY                    RECORD NUMBER    22021
```

175. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT= 63 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 63
           SECTION 12/ 63 NOT IN DIRECTORY                RECORD NUMBER    22026
```

176. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 64$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 64
           SECTION 12/ 64 NOT IN DIRECTORY                RECORD NUMBER    22030
```

177. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 65$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 65
           SECTION 12/ 65 NOT IN DIRECTORY                RECORD NUMBER    22034
```

178. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 66$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 66
           SECTION 12/ 66 NOT IN DIRECTORY                RECORD NUMBER    22038
```

179. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 67$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 67
           SECTION 12/ 67 NOT IN DIRECTORY                RECORD NUMBER    22042
```

180. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 68$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 68
           SECTION 12/ 68 NOT IN DIRECTORY                RECORD NUMBER    22046
```

181. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 69$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 69
           SECTION 12/ 69 NOT IN DIRECTORY                RECORD NUMBER    22050
```

182. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 70$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT= 70
           SECTION 12/ 70 NOT IN DIRECTORY                RECORD NUMBER    22054
```

183. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6631, MF=12, MT= 71$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT= 71
         SECTION 12/ 71 NOT IN DIRECTORY                RECORD NUMBER    22058
```

184. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT= 72 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT= 72
         SECTION 12/ 72 NOT IN DIRECTORY                RECORD NUMBER    22062
```

185. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT= 73 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT= 73
         SECTION 12/ 73 NOT IN DIRECTORY                RECORD NUMBER    22066
```

186. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT=601 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=601
         SECTION 12/601 NOT IN DIRECTORY                RECORD NUMBER    22070
```

187. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT=602 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=602
         SECTION 12/602 NOT IN DIRECTORY                RECORD NUMBER    22074
```

188. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT=603 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=603
         SECTION 12/603 NOT IN DIRECTORY                RECORD NUMBER    22078
```

189. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT=604 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=604
         SECTION 12/604 NOT IN DIRECTORY                RECORD NUMBER    22082
```

190. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT=605 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=605
         SECTION 12/605 NOT IN DIRECTORY                RECORD NUMBER    22086
```

191. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=12, MT=606 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=606
           SECTION 12/606 NOT IN DIRECTORY                    RECORD NUMBER   22090
```

192. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=607 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=607
           SECTION 12/607 NOT IN DIRECTORY                    RECORD NUMBER   22094
```

193. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=608 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=608
           SECTION 12/608 NOT IN DIRECTORY                    RECORD NUMBER   22098
```

194. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=609 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=609
           SECTION 12/609 NOT IN DIRECTORY                    RECORD NUMBER   22102
```

195. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=610 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=610
           SECTION 12/610 NOT IN DIRECTORY                    RECORD NUMBER   22106
```

196. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=611 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=611
           SECTION 12/611 NOT IN DIRECTORY                    RECORD NUMBER   22110
```

197. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=612 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=612
           SECTION 12/612 NOT IN DIRECTORY                    RECORD NUMBER   22114
```

198. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=613 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=12, MT=613
           SECTION 12/613 NOT IN DIRECTORY                    RECORD NUMBER   22118
```

199. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=614 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=614
         SECTION 12/614 NOT IN DIRECTORY                  RECORD NUMBER   22122
```

200. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=615 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=615
         SECTION 12/615 NOT IN DIRECTORY                  RECORD NUMBER   22126
```

201. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=616 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=616
         SECTION 12/616 NOT IN DIRECTORY                  RECORD NUMBER   22130
```

202. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=617 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=617
         SECTION 12/617 NOT IN DIRECTORY                  RECORD NUMBER   22134
```

203. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=618 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=618
         SECTION 12/618 NOT IN DIRECTORY                  RECORD NUMBER   22138
```

204. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=619 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=619
         SECTION 12/619 NOT IN DIRECTORY                  RECORD NUMBER   22142
```

205. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=620 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=620
         SECTION 12/620 NOT IN DIRECTORY                  RECORD NUMBER   22146
```

206. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=621 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=621
         SECTION 12/621 NOT IN DIRECTORY                  RECORD NUMBER   22150
```

207. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=12, MT=622 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=622
          SECTION 12/622 NOT IN DIRECTORY                RECORD NUMBER   22154
```

208. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=623 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=623
          SECTION 12/623 NOT IN DIRECTORY                RECORD NUMBER   22158
```

209. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=801 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=801
          SECTION 12/801 NOT IN DIRECTORY                RECORD NUMBER   22162
```

210. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=802 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=802
          SECTION 12/802 NOT IN DIRECTORY                RECORD NUMBER   22166
```

211. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=803 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=803
          SECTION 12/803 NOT IN DIRECTORY                RECORD NUMBER   22170
```

212. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=804 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=804
          SECTION 12/804 NOT IN DIRECTORY                RECORD NUMBER   22174
```

213. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=805 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=805
          SECTION 12/805 NOT IN DIRECTORY                RECORD NUMBER   22178
```

214. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=806 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6631, MF=12, MT=806
          SECTION 12/806 NOT IN DIRECTORY                RECORD NUMBER   22182
```

215. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=807 (0): Directory (b)

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```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=807
         SECTION 12/807 NOT IN DIRECTORY                    RECORD NUMBER   22186
```

216. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=808 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=808
         SECTION 12/808 NOT IN DIRECTORY                    RECORD NUMBER   22190
```

217. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=809 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=809
         SECTION 12/809 NOT IN DIRECTORY                    RECORD NUMBER   22194
```

218. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=810 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=810
         SECTION 12/810 NOT IN DIRECTORY                    RECORD NUMBER   22198
```

219. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=811 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=811
         SECTION 12/811 NOT IN DIRECTORY                    RECORD NUMBER   22202
```

220. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=812 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=812
         SECTION 12/812 NOT IN DIRECTORY                    RECORD NUMBER   22207
```

221. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=813 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=813
         SECTION 12/813 NOT IN DIRECTORY                    RECORD NUMBER   22212
```

222. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=814 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=12, MT=814
         SECTION 12/814 NOT IN DIRECTORY                    RECORD NUMBER   22216
```

223. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6631, MF=12, MT=815 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=12, MT=815
        SECTION 12/815 NOT IN DIRECTORY                    RECORD NUMBER   22221
```

224. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT=816 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=12, MT=816
        SECTION 12/816 NOT IN DIRECTORY                    RECORD NUMBER   22226
```

225. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT=817 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=12, MT=817
        SECTION 12/817 NOT IN DIRECTORY                    RECORD NUMBER   22231
```

226. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT=818 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=12, MT=818
        SECTION 12/818 NOT IN DIRECTORY                    RECORD NUMBER   22236
```

227. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=12, MT=819 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=12, MT=819
        SECTION 12/819 NOT IN DIRECTORY                    RECORD NUMBER   22241
```

228. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT= 51 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=14, MT= 51
        SECTION 14/ 51 NOT IN DIRECTORY                    RECORD NUMBER   22246
```

229. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT= 52 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=14, MT= 52
        SECTION 14/ 52 NOT IN DIRECTORY                    RECORD NUMBER   22248
```

230. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT= 53 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6631, MF=14, MT= 53
        SECTION 14/ 53 NOT IN DIRECTORY                    RECORD NUMBER   22250
```

231. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT= 54 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 54
                SECTION 14/ 54 NOT IN DIRECTORY                 RECORD NUMBER   22252
```

232. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 55 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 55
                SECTION 14/ 55 NOT IN DIRECTORY                 RECORD NUMBER   22254
```

233. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 56 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 56
                SECTION 14/ 56 NOT IN DIRECTORY                 RECORD NUMBER   22256
```

234. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 57 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 57
                SECTION 14/ 57 NOT IN DIRECTORY                 RECORD NUMBER   22258
```

235. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 58 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 58
                SECTION 14/ 58 NOT IN DIRECTORY                 RECORD NUMBER   22260
```

236. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 59 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 59
                SECTION 14/ 59 NOT IN DIRECTORY                 RECORD NUMBER   22262
```

237. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 60 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 60
                SECTION 14/ 60 NOT IN DIRECTORY                 RECORD NUMBER   22264
```

238. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 61 (0): Directory (b)

```
            ERROR(S) FOUND IN MAT=6631, MF=14, MT= 61
                SECTION 14/ 61 NOT IN DIRECTORY                 RECORD NUMBER   22266
```

239. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 62
         SECTION 14/ 62 NOT IN DIRECTORY              RECORD NUMBER   22268
```

240. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 63
         SECTION 14/ 63 NOT IN DIRECTORY              RECORD NUMBER   22270
```

241. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 64
         SECTION 14/ 64 NOT IN DIRECTORY              RECORD NUMBER   22272
```

242. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 65
         SECTION 14/ 65 NOT IN DIRECTORY              RECORD NUMBER   22274
```

243. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 66
         SECTION 14/ 66 NOT IN DIRECTORY              RECORD NUMBER   22276
```

244. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 67
         SECTION 14/ 67 NOT IN DIRECTORY              RECORD NUMBER   22278
```

245. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 68 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 68
         SECTION 14/ 68 NOT IN DIRECTORY              RECORD NUMBER   22280
```

246. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 69 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT= 69
         SECTION 14/ 69 NOT IN DIRECTORY              RECORD NUMBER   22282
```

247. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 70 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT= 70
           SECTION 14/ 70 NOT IN DIRECTORY                    RECORD NUMBER    22284
```

248. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 71 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT= 71
           SECTION 14/ 71 NOT IN DIRECTORY                    RECORD NUMBER    22286
```

249. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 72 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT= 72
           SECTION 14/ 72 NOT IN DIRECTORY                    RECORD NUMBER    22288
```

250. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT= 73 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT= 73
           SECTION 14/ 73 NOT IN DIRECTORY                    RECORD NUMBER    22290
```

251. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=601 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=601
           SECTION 14/601 NOT IN DIRECTORY                    RECORD NUMBER    22292
```

252. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=602 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=602
           SECTION 14/602 NOT IN DIRECTORY                    RECORD NUMBER    22294
```

253. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=603 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=603
           SECTION 14/603 NOT IN DIRECTORY                    RECORD NUMBER    22296
```

254. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=604 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=604
           SECTION 14/604 NOT IN DIRECTORY                    RECORD NUMBER    22298
```

255. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=605 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=605
        SECTION 14/605 NOT IN DIRECTORY                    RECORD NUMBER    22300
```

256. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=606 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=606
        SECTION 14/606 NOT IN DIRECTORY                    RECORD NUMBER    22302
```

257. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=607 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=607
        SECTION 14/607 NOT IN DIRECTORY                    RECORD NUMBER    22304
```

258. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=608 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=608
        SECTION 14/608 NOT IN DIRECTORY                    RECORD NUMBER    22306
```

259. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=609 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=609
        SECTION 14/609 NOT IN DIRECTORY                    RECORD NUMBER    22308
```

260. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=610 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=610
        SECTION 14/610 NOT IN DIRECTORY                    RECORD NUMBER    22310
```

261. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=611 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=611
        SECTION 14/611 NOT IN DIRECTORY                    RECORD NUMBER    22312
```

262. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=612 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6631, MF=14, MT=612
        SECTION 14/612 NOT IN DIRECTORY                    RECORD NUMBER    22314
```

263. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=613 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=613
            SECTION 14/613 NOT IN DIRECTORY                  RECORD NUMBER   22316
```

264. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=614 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=614
            SECTION 14/614 NOT IN DIRECTORY                  RECORD NUMBER   22318
```

265. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=615 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=615
            SECTION 14/615 NOT IN DIRECTORY                  RECORD NUMBER   22320
```

266. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=616 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=616
            SECTION 14/616 NOT IN DIRECTORY                  RECORD NUMBER   22322
```

267. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=617 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=617
            SECTION 14/617 NOT IN DIRECTORY                  RECORD NUMBER   22324
```

268. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=618 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=618
            SECTION 14/618 NOT IN DIRECTORY                  RECORD NUMBER   22326
```

269. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=619 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=619
            SECTION 14/619 NOT IN DIRECTORY                  RECORD NUMBER   22328
```

270. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=620 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=620
            SECTION 14/620 NOT IN DIRECTORY                  RECORD NUMBER   22330
```

271. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=621 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=621
      SECTION 14/621 NOT IN DIRECTORY                    RECORD NUMBER    22332
```

272. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=622 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=622
      SECTION 14/622 NOT IN DIRECTORY                    RECORD NUMBER    22334
```

273. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=623 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=623
      SECTION 14/623 NOT IN DIRECTORY                    RECORD NUMBER    22336
```

274. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=801 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=801
      SECTION 14/801 NOT IN DIRECTORY                    RECORD NUMBER    22338
```

275. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=802 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=802
      SECTION 14/802 NOT IN DIRECTORY                    RECORD NUMBER    22340
```

276. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=803 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=803
      SECTION 14/803 NOT IN DIRECTORY                    RECORD NUMBER    22342
```

277. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=804 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=804
      SECTION 14/804 NOT IN DIRECTORY                    RECORD NUMBER    22344
```

278. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=805 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6631, MF=14, MT=805
      SECTION 14/805 NOT IN DIRECTORY                    RECORD NUMBER    22346
```

279. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6631, MF=14, MT=806 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=806
           SECTION 14/806 NOT IN DIRECTORY                  RECORD NUMBER    22348
```

280. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=807 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=807
           SECTION 14/807 NOT IN DIRECTORY                  RECORD NUMBER    22350
```

281. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=808 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=808
           SECTION 14/808 NOT IN DIRECTORY                  RECORD NUMBER    22352
```

282. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=809 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=809
           SECTION 14/809 NOT IN DIRECTORY                  RECORD NUMBER    22354
```

283. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=810 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=810
           SECTION 14/810 NOT IN DIRECTORY                  RECORD NUMBER    22356
```

284. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=811 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=811
           SECTION 14/811 NOT IN DIRECTORY                  RECORD NUMBER    22358
```

285. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=812 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=812
           SECTION 14/812 NOT IN DIRECTORY                  RECORD NUMBER    22360
```

286. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=813 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=813
           SECTION 14/813 NOT IN DIRECTORY                  RECORD NUMBER    22362
```

287. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6631, MF=14, MT=814 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=814
            SECTION 14/814 NOT IN DIRECTORY                 RECORD NUMBER    22364
```

288. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=14, MT=815 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=815
            SECTION 14/815 NOT IN DIRECTORY                 RECORD NUMBER    22366
```

289. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=14, MT=816 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=816
            SECTION 14/816 NOT IN DIRECTORY                 RECORD NUMBER    22368
```

290. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=14, MT=817 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=817
            SECTION 14/817 NOT IN DIRECTORY                 RECORD NUMBER    22370
```

291. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=14, MT=818 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=818
            SECTION 14/818 NOT IN DIRECTORY                 RECORD NUMBER    22372
```

292. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6631, MF=14, MT=819 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6631, MF=14, MT=819
            SECTION 14/819 NOT IN DIRECTORY                 RECORD NUMBER    22374
```

- `psyche` Warnings:

    1. Strength function in URR not in agreement with PSYCHE's expectations
    FILE 2 / SECTION 151 / ENERGY = 8.62000E+01. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

    ```
    FILE  2
       SECTION 151
            ENERGY =  8.62000E+01. STRENGTH FUNCTION IS  1.50000E-04
                            STRENGTH FUNCTION 1.50000E-04
                                            LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
    ... [8 more lines]
    ```

    2. Level density in URR not in agreement with PSYCHE's expectations
    FILE 2 / SECTION 151 / ENERGY = 8.62000E+01. STRENGTH FUNCTION IS 1.50000E-04 / ENERGY = 8.62000E+01. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.62373E+00 SHOULD BE 7.14897E+00 (0): URR dens. (a)

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```
FILE  2
   SECTION 151
         ENERGY =  8.62000E+01. STRENGTH FUNCTION IS  1.50000E-04
                   ENERGY =  8.62000E+01. STRENGTH FUNCTION IS  1.50000E-04
                             DENSITY 7.62373E+00 SHOULD BE  7.14897E+00
```

3. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS
   1.50000E-04 / DENSITY 7.61199E+00 SHOULD BE 7.13796E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                   DENSITY  7.61199E+00 SHOULD BE  7.13796E+00
```

4. Strength function in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION
   IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS
   1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                   STRENGTH FUNCTION 1.50000E-04
                             LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

5. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS
   1.50000E-04 / DENSITY 7.59916E+00 SHOULD BE 7.12593E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                   DENSITY  7.59916E+00 SHOULD BE  7.12593E+00
```

6. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS
   1.50000E-04 / DENSITY 7.58635E+00 SHOULD BE 7.11391E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  3.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                   DENSITY  7.58635E+00 SHOULD BE  7.11391E+00
```

7. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS
   1.50000E-04 / DENSITY 7.57356E+00 SHOULD BE 7.10192E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  4.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                   DENSITY  7.57356E+00 SHOULD BE  7.10192E+00
```

8. Strength function in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION
   IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS
   1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE  2
   SECTION 151
         ENERGY =  4.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                       STRENGTH FUNCTION 1.50000E-04
                                   LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

9. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.56079E+00 SHOULD BE 7.08994E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  5.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                       DENSITY  7.56079E+00 SHOULD BE  7.08994E+00
```

10. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.54806E+00 SHOULD BE 7.07800E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  6.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                       DENSITY  7.54806E+00 SHOULD BE  7.07800E+00
```

11. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.53534E+00 SHOULD BE 7.06608E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  7.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                       DENSITY  7.53534E+00 SHOULD BE  7.06608E+00
```

12. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.52264E+00 SHOULD BE 7.05417E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  8.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                       DENSITY  7.52264E+00 SHOULD BE  7.05417E+00
```

13. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

```
FILE  2
   SECTION 151
         ENERGY =  8.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                       STRENGTH FUNCTION 1.50000E-04
                                   LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

14. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.50997E+00 SHOULD BE 7.04229E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  9.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                         DENSITY  7.50997E+00 SHOULD BE  7.04229E+00
```

15. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.49732E+00 SHOULD BE 7.03043E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  1.50000E-04
                         DENSITY  7.49732E+00 SHOULD BE  7.03043E+00
```

16. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.48469E+00 SHOULD BE 7.01859E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.10000E+04. STRENGTH FUNCTION IS  1.50000E-04
                         DENSITY  7.48469E+00 SHOULD BE  7.01859E+00
```

17. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

```
FILE  2
   SECTION 151
         ENERGY =  1.10000E+04. STRENGTH FUNCTION IS  1.50000E-04
                         STRENGTH FUNCTION 1.50000E-04
                                        LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

18. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.43439E+00 SHOULD BE 6.97142E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.50000E+04. STRENGTH FUNCTION IS  1.50000E-04
                         DENSITY  7.43439E+00 SHOULD BE  6.97142E+00
```

19. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

```
FILE  2
   SECTION 151
         ENERGY =  1.50000E+04. STRENGTH FUNCTION IS  1.50000E-04
                         STRENGTH FUNCTION 1.50000E-04
                                        LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

20. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.38445E+00 SHOULD BE 6.92459E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  1.90000E+04. STRENGTH FUNCTION IS  1.50000E-04
                             DENSITY  7.38445E+00 SHOULD BE  6.92459E+00
```

21. Strength function in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION
IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS
1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE  2
   SECTION 151
           ENERGY =  1.90000E+04. STRENGTH FUNCTION IS  1.50000E-04
                             STRENGTH FUNCTION 1.50000E-04
                                            LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

22. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 2.30000E+04. STRENGTH FUNCTION IS
1.50000E-04 / DENSITY 7.33487E+00 SHOULD BE 6.87810E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
           ENERGY =  2.30000E+04. STRENGTH FUNCTION IS  1.50000E-04
                             DENSITY  7.33487E+00 SHOULD BE  6.87810E+00
```

23. Strength function in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 2.30000E+04. STRENGTH FUNCTION
IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS
1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE  2
   SECTION 151
           ENERGY =  2.30000E+04. STRENGTH FUNCTION IS  1.50000E-04
                             STRENGTH FUNCTION 1.50000E-04
                                            LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

24. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 2.70000E+04. STRENGTH FUNCTION IS
1.50000E-04 / DENSITY 7.28562E+00 SHOULD BE 6.83191E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
           ENERGY =  2.70000E+04. STRENGTH FUNCTION IS  1.50000E-04
                             DENSITY  7.28562E+00 SHOULD BE  6.83191E+00
```

25. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 3.10000E+04. STRENGTH FUNCTION IS
1.50000E-04 / DENSITY 7.23672E+00 SHOULD BE 6.78606E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
           ENERGY =  3.10000E+04. STRENGTH FUNCTION IS  1.50000E-04
                             DENSITY  7.23672E+00 SHOULD BE  6.78606E+00
```

26. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+04. STRENGTH FUNCTION IS
1.50000E-04 / DENSITY 7.18816E+00 SHOULD BE 6.74052E+00 (0): URR dens. (a)*

```
FILE   2
   SECTION 151
            ENERGY =  3.50000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  7.18816E+00 SHOULD BE  6.74052E+00
```

27. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.50000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

```
FILE   2
   SECTION 151
            ENERGY =  3.50000E+04. STRENGTH FUNCTION IS  1.50000E-04
                          STRENGTH FUNCTION 1.50000E-04
                                        LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
```

28. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.90000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.13996E+00 SHOULD BE 6.69532E+00 (0): URR dens. (a)

```
FILE   2
   SECTION 151
            ENERGY =  3.90000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  7.13996E+00 SHOULD BE  6.69532E+00
```

29. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.30000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.09208E+00 SHOULD BE 6.65042E+00 (0): URR dens. (a)

```
FILE   2
   SECTION 151
            ENERGY =  4.30000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  7.09208E+00 SHOULD BE  6.65042E+00
```

30. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.30000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

```
FILE   2
   SECTION 151
            ENERGY =  4.30000E+04. STRENGTH FUNCTION IS  1.50000E-04
                          STRENGTH FUNCTION 1.50000E-04
                                        LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
... [2 more lines]
```

31. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / TOTAL OF 35 POINTS IN ERROR FOR THIS J-STATE (0): URR dens. (b)

```
FILE   2
   SECTION 151
            TOTAL OF    35 POINTS IN ERROR FOR THIS J-STATE
            TOTAL OF    35 POINTS IN ERROR FOR THIS J-STATE
```

32. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 8.62000E+01. STRENGTH FUNCTION IS 1.50000E-04 / ENERGY = 8.62000E+01. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.65740E+00 SHOULD BE 5.08249E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
          ENERGY =  8.62000E+01. STRENGTH FUNCTION IS  1.50000E-04
                    ENERGY =  8.62000E+01. STRENGTH FUNCTION IS  1.50000E-04
                              DENSITY  5.65740E+00 SHOULD BE  5.08249E+00
```

33. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.64869E+00 SHOULD BE 5.07466E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
          ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                              DENSITY  5.64869E+00 SHOULD BE  5.07466E+00
```

34. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.63916E+00 SHOULD BE 5.06611E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
          ENERGY =  2.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                              DENSITY  5.63916E+00 SHOULD BE  5.06611E+00
```

35. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.62966E+00 SHOULD BE 5.05757E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
          ENERGY =  3.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                              DENSITY  5.62966E+00 SHOULD BE  5.05757E+00
```

36. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.62016E+00 SHOULD BE 5.04904E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
          ENERGY =  4.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                              DENSITY  5.62016E+00 SHOULD BE  5.04904E+00
```

37. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.61069E+00 SHOULD BE 5.04053E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
          ENERGY =  5.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                              DENSITY  5.61069E+00 SHOULD BE  5.04053E+00
```

38. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.60124E+00 SHOULD BE 5.03204E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  6.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                        DENSITY  5.60124E+00 SHOULD BE  5.03204E+00
```

39. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.59181E+00 SHOULD BE 5.02356E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  7.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                        DENSITY  5.59181E+00 SHOULD BE  5.02356E+00
```

40. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.58238E+00 SHOULD BE 5.01509E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  8.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                        DENSITY  5.58238E+00 SHOULD BE  5.01509E+00
```

41. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.57298E+00 SHOULD BE 5.00665E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  9.00000E+03. STRENGTH FUNCTION IS  1.50000E-04
                        DENSITY  5.57298E+00 SHOULD BE  5.00665E+00
```

42. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.56359E+00 SHOULD BE 4.99821E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  1.50000E-04
                        DENSITY  5.56359E+00 SHOULD BE  4.99821E+00
```

43. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.55422E+00 SHOULD BE 4.98980E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.10000E+04. STRENGTH FUNCTION IS  1.50000E-04
                        DENSITY  5.55422E+00 SHOULD BE  4.98980E+00
```

44. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.51689E+00 SHOULD BE 4.95626E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
            ENERGY =  1.50000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  5.51689E+00 SHOULD BE  4.95626E+00
```

45. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.47983E+00 SHOULD BE 4.92297E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
            ENERGY =  1.90000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  5.47983E+00 SHOULD BE  4.92297E+00
```

46. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.30000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.44304E+00 SHOULD BE 4.88991E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
            ENERGY =  2.30000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  5.44304E+00 SHOULD BE  4.88991E+00
```

47. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.70000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.40649E+00 SHOULD BE 4.85708E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
            ENERGY =  2.70000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  5.40649E+00 SHOULD BE  4.85708E+00
```

48. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.10000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.37021E+00 SHOULD BE 4.82448E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
            ENERGY =  3.10000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  5.37021E+00 SHOULD BE  4.82448E+00
```

49. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.50000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.33417E+00 SHOULD BE 4.79211E+00 (0): URR dens. (a)

```
FILE  2
    SECTION 151
            ENERGY =  3.50000E+04. STRENGTH FUNCTION IS  1.50000E-04
                            DENSITY  5.33417E+00 SHOULD BE  4.79211E+00
```

50. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.90000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.29840E+00 SHOULD BE 4.75997E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  3.90000E+04. STRENGTH FUNCTION IS  1.50000E-04
                          DENSITY  5.29840E+00 SHOULD BE  4.75997E+00
```

51. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.30000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 5.26287E+00 SHOULD BE 4.72805E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  4.30000E+04. STRENGTH FUNCTION IS  1.50000E-04
                          DENSITY  5.26287E+00 SHOULD BE  4.72805E+00
```

52. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 22 / THE CALCULATED Q 8.10186E+05 DISSAGREES WITH THE GIVEN Q 8.74000E+05 (0): Iffy Q

```
FILE  3
   SECTION  22
           THE CALCULATED Q  8.10186E+05 DISSAGREES WITH THE GIVEN Q  8.74000E+05
```

53. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 7.33656E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q

```
FILE  3
   SECTION 107
           THE CALCULATED Q  7.33656E+06 DISSAGREES WITH THE GIVEN Q  0.00000E+00
```

- `linear` Errors:

  1. Negative cross section found
  0: Neg. Sig(E)

  ```
  Linearize ENDF/B Cross Sections (LINEAR 2015-1)
  ----------------------------------------------------------------------
  Retrieval Criteria-----------       MAT
  Monitor Mode----------------        Off
  Minimum Cross Section-------- 1.0000E-10 (Default Option)
  ... [123 more lines]
  ```

- `fudge-4.0` Warnings:

  1. Missing a channel with a particular angular momenta combination
  resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

  ```
  WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"
  ```

  2. Potential scattering hasn't converted, you need more L's!
  resonances / resolved (Error # 1): potentialScatteringNotConverged

```
WARNING: Potential scattering hasn't converged by L=0 at E=86.2 eV, xs[0]/xs[0]=100.0% > 0.1%
```

3. The URR for this spin group needs higher energy resolution for correct representation
of the average cross section
resonances / unresolved (Error # 0): URRinsufficientEnergyGrid

```
WARNING: More points needed in L=0 J=0.5 unresolved widths between 86.2 eV and 1.e3 eV
WARNING: More points needed in L=1 J=0.5 unresolved widths between 86.2 eV and 1.e3 eV
WARNING: More points needed in L=1 J=1.5 unresolved widths between 86.2 eV and 1.e3 eV
WARNING: More points needed in L=2 J=1.5 unresolved widths between 86.2 eV and 1.e3 eV
        ... plus 1 more instances of this message
```

- `fudge-4.0` Errors:

    1. Calculated and tabulated Q values disagree.
    reaction label 25: n[multiplicity:'2'] + Dy157 + gamma (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -8456088.279724121 eV vs -9.056e6 eV!
    ```

    2. Calculated and tabulated Q values disagree.
    reaction label 26: n[multiplicity:'3'] + Dy156 + gamma (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -15972611.19509888 eV vs -1.6025e7 eV!
    ```

    3. Calculated and tabulated Q values disagree.
    reaction label 27: n + H1 + Tb157 + gamma (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -6733726.617370605 eV vs -6.932e6 eV!
    ```

    4. If an outgoing energy distribution ends with more than one energy with probability=0,
    proper unitbase treatment is unclear. Distribution should end with exactly one P=0
    point.
    reaction label 27: n + H1 + Tb157 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

    ```
    WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV
    WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV
    WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV
    WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV
            ... plus 9 more instances of this message
    ```

    5. Calculated and tabulated Q values disagree.
    reaction label 74: Dy159 + gamma (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 7055349.522399902 eV vs 6.831e6 eV!
    ```

    6. Calculated and tabulated Q values disagree.
    reaction label 75: n + He4 + Gd154 + gamma (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: 735064.2547302246 eV vs 8.74e5 eV!
    ```

    7. If an outgoing energy distribution ends with more than one energy with probability=0,
    proper unitbase treatment is unclear. Distribution should end with exactly one P=0
    point.
    reaction label 75: n + He4 + Gd154 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

```
WARNING: Extra zero-probability outgoing energies found at incident energy 7.e6 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV
        ... plus 11 more instances of this message
```

8. Calculated and tabulated Q values disagree.
   reaction label 76: n[multiplicity:'2'] + He4 + Gd153 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -7721024.025024414 eV vs -8.02e6 eV!
```

9. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
   reaction label 76: n[multiplicity:'2'] + He4 + Gd153 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

```
WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV
        ... plus 1 more instances of this message
```

10. Calculated and tabulated Q values disagree.
    reaction label 77: n[multiplicity:'2'] + H1 + Tb156 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -15189814.89715576 eV vs -1.5676e7 eV!
```

11. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
    reaction label 77: n[multiplicity:'2'] + H1 + Tb156 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

```
WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV
```

12. Cross section domain does not match domain of linked reaction cross section sum
    crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch

```
WARNING: Cross section domain does not match domain of linked reaction cross section sum
```

13. Cross section domain does not match domain of linked reaction cross section sum
    crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch

```
WARNING: Cross section domain does not match domain of linked reaction cross section sum
```

- njoy2012 Warnings:

  1. Recoil is not given, so one-particle recoil approximation used.
     heatr...prompt kerma (0): HEATR/hinit (4)

```
---message from hinit---mf6, mt102 does not give recoil za= 66159
                       photon momentum recoil used.
```